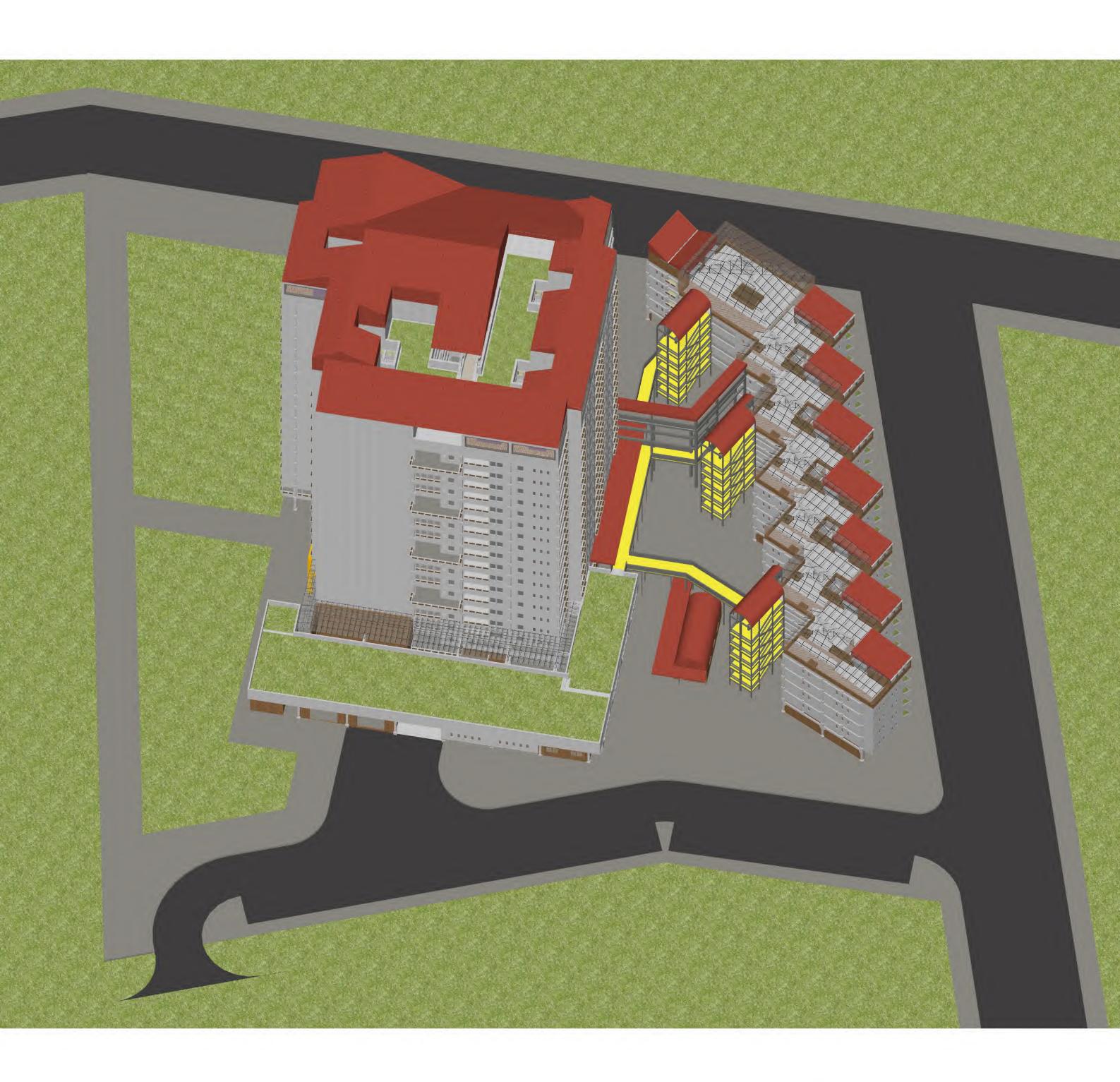
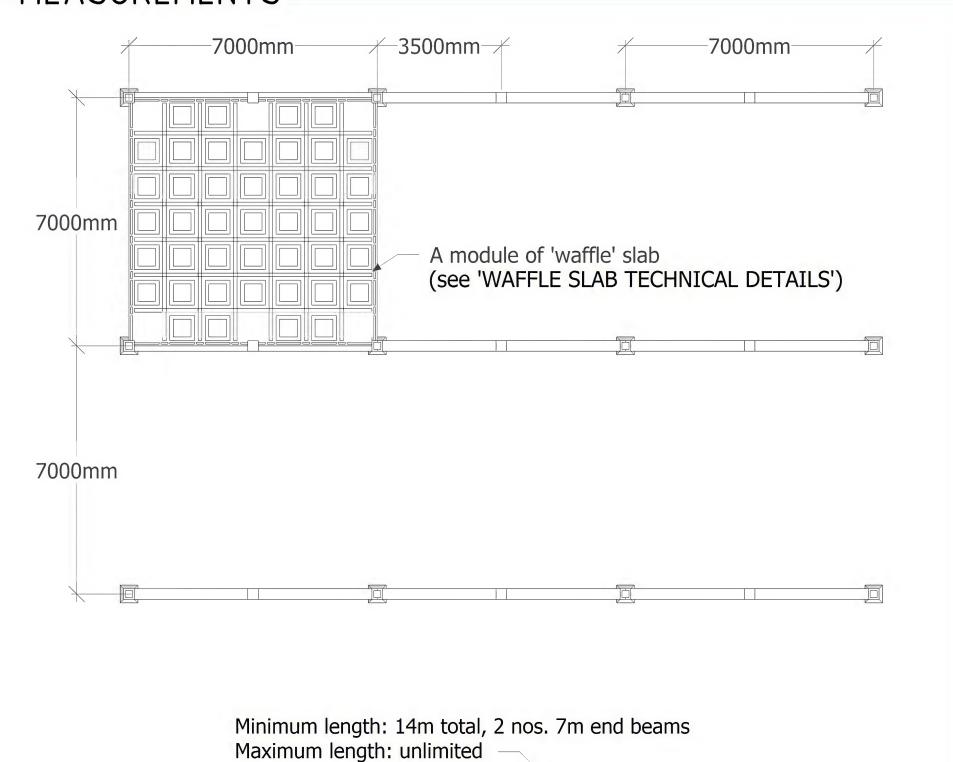


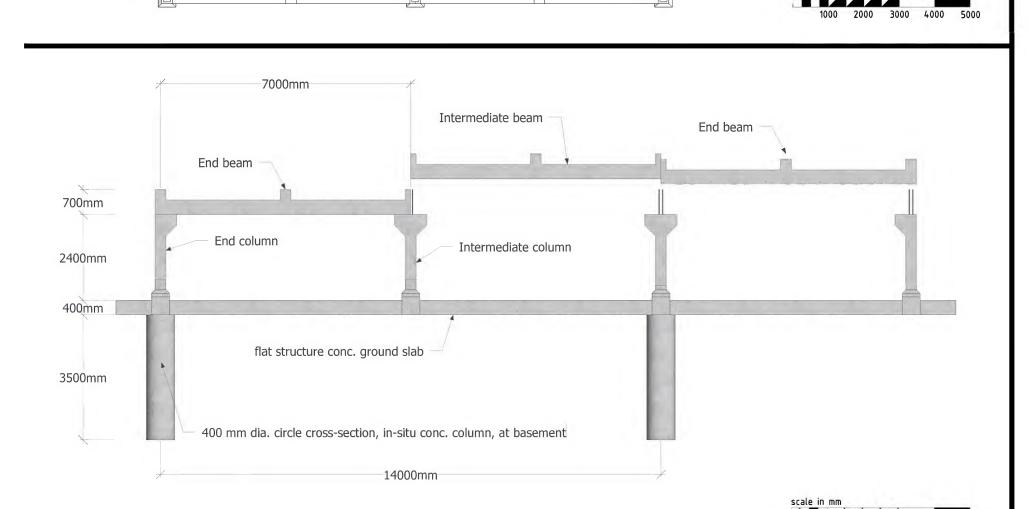
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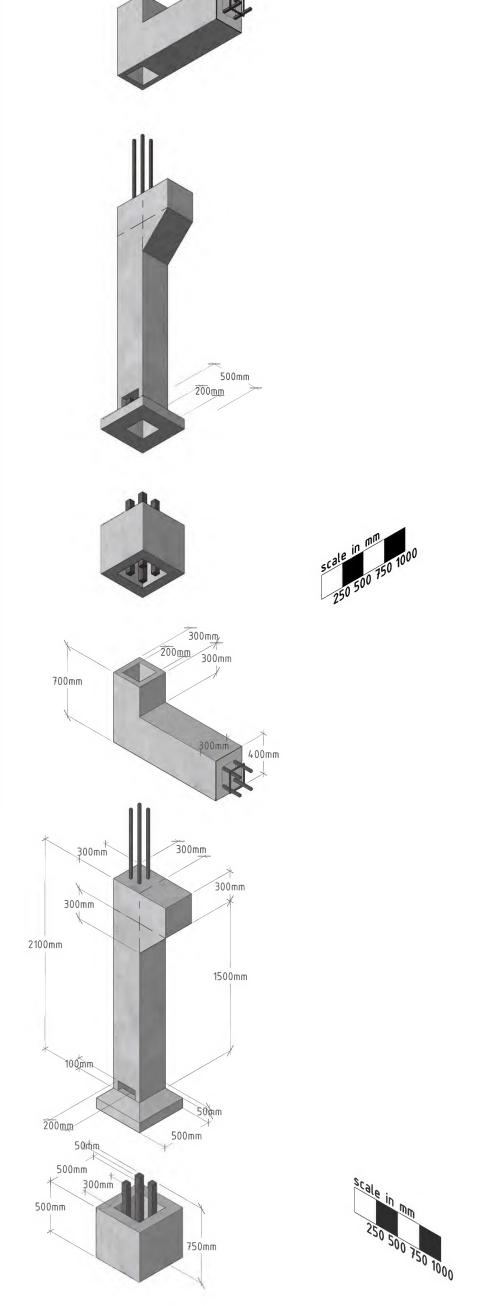


This building system has been used in the design of an affordable housing cluster for Malay and Melanau settlers along the riverside of Sarawak River in Darul Hana, Kuching, Sarawak during March – July 2016 session with Pn. Nakiah as the studio leader.

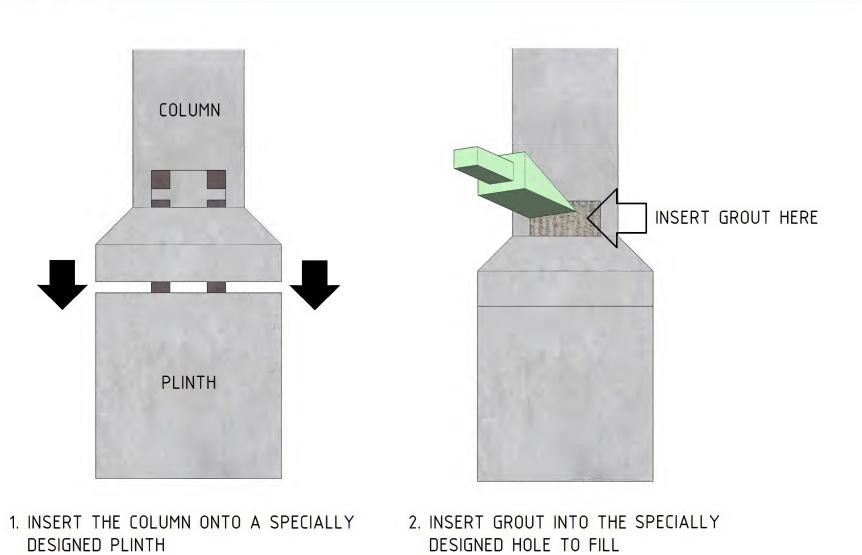
MEASUREMENTS



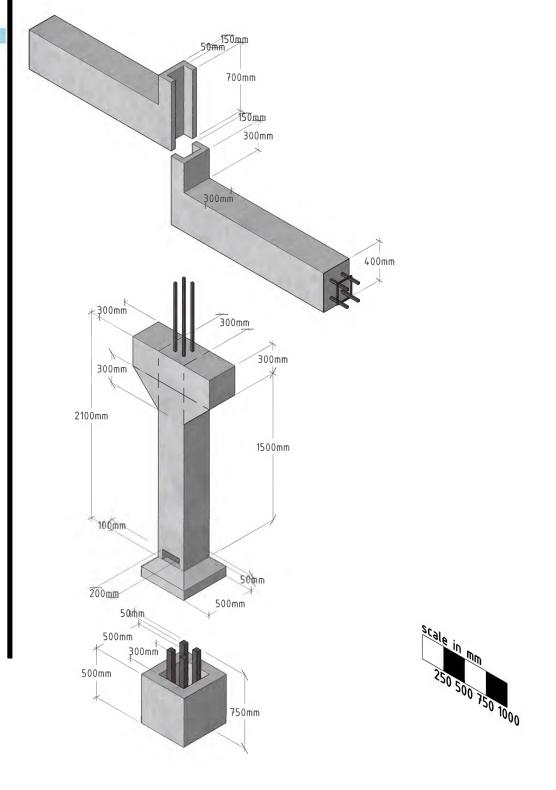




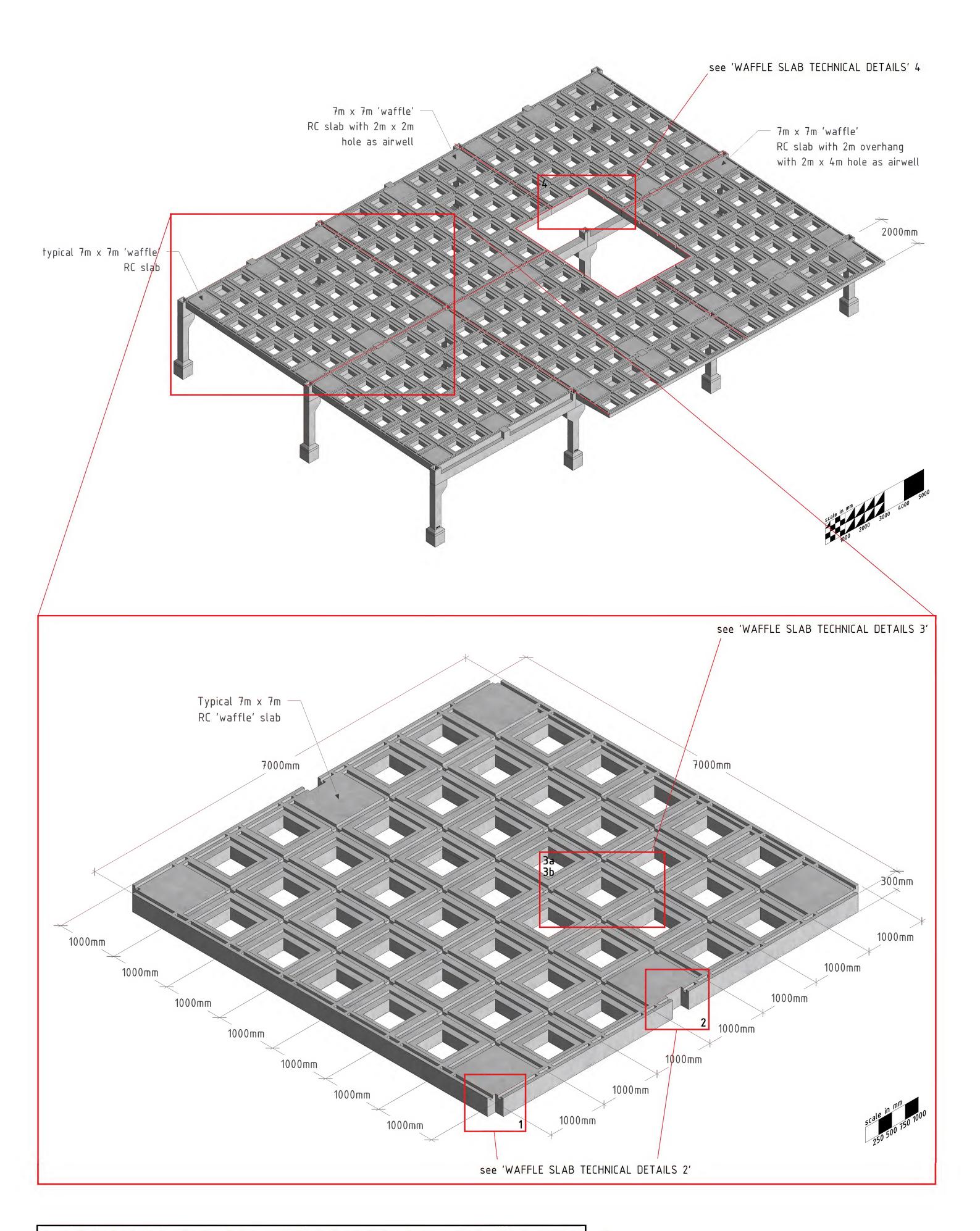
PROCEDURE

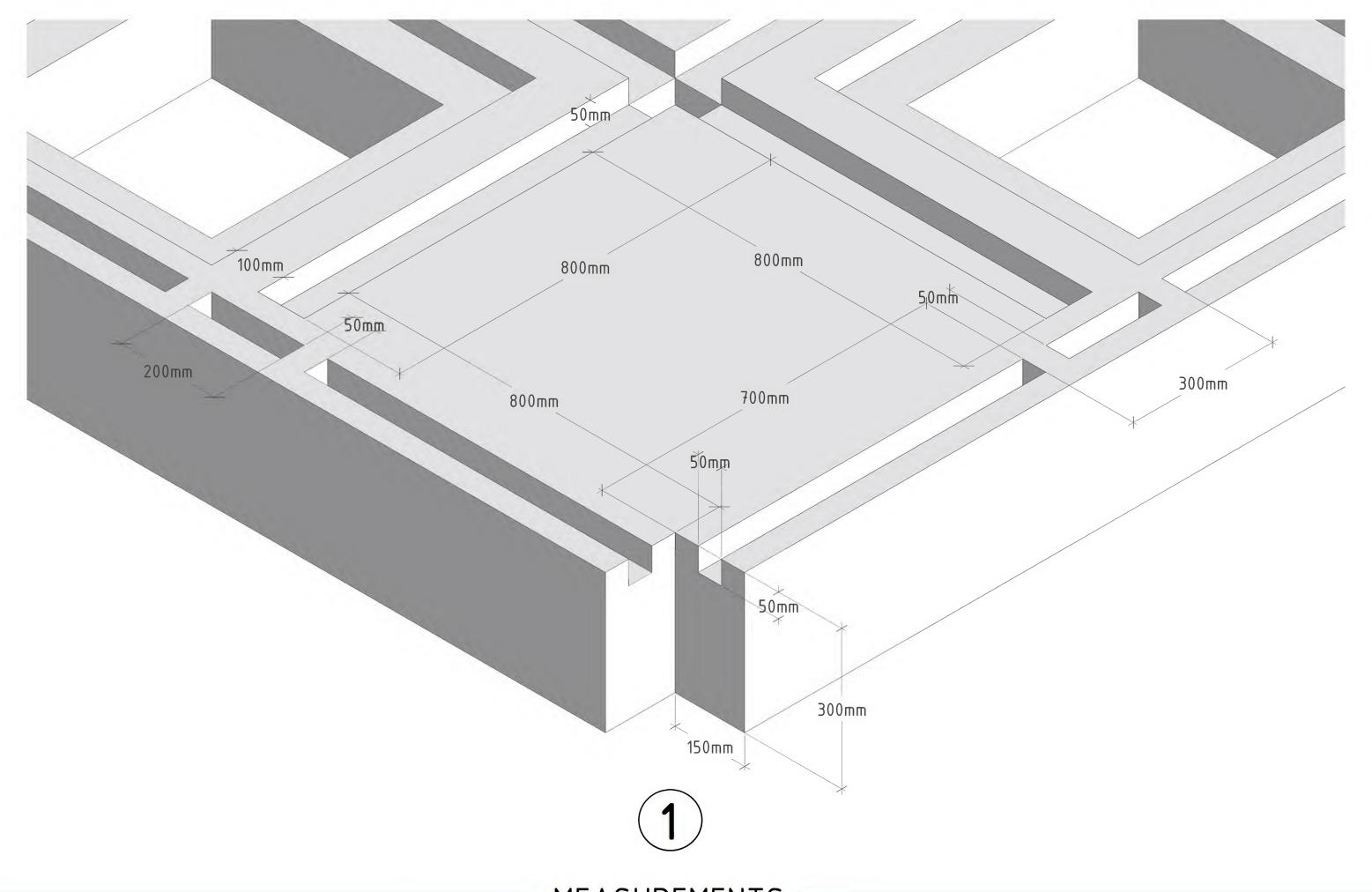


IN EXPOSED REBARS



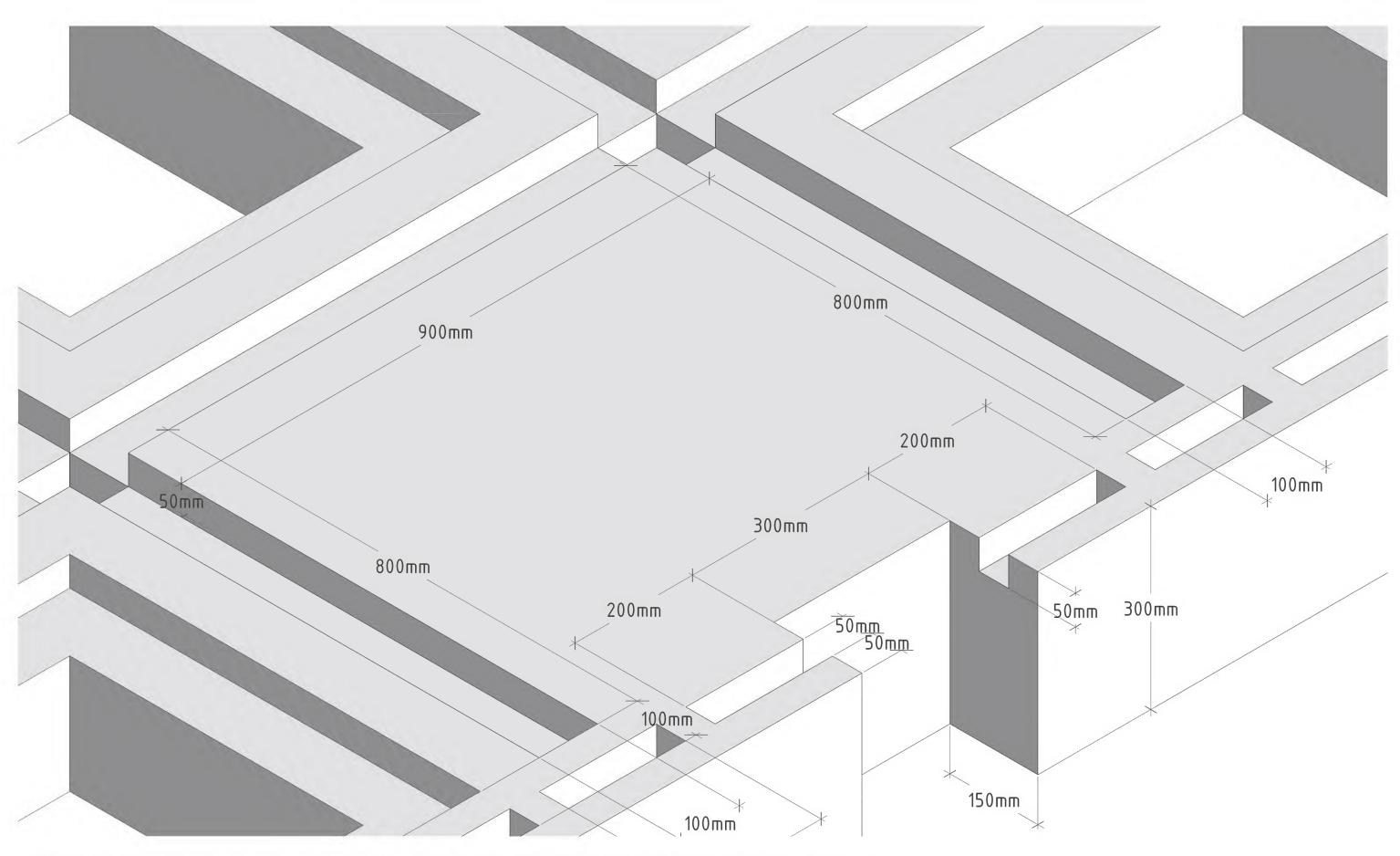
POST-AND-BEAM TECHNICAL DETAILS



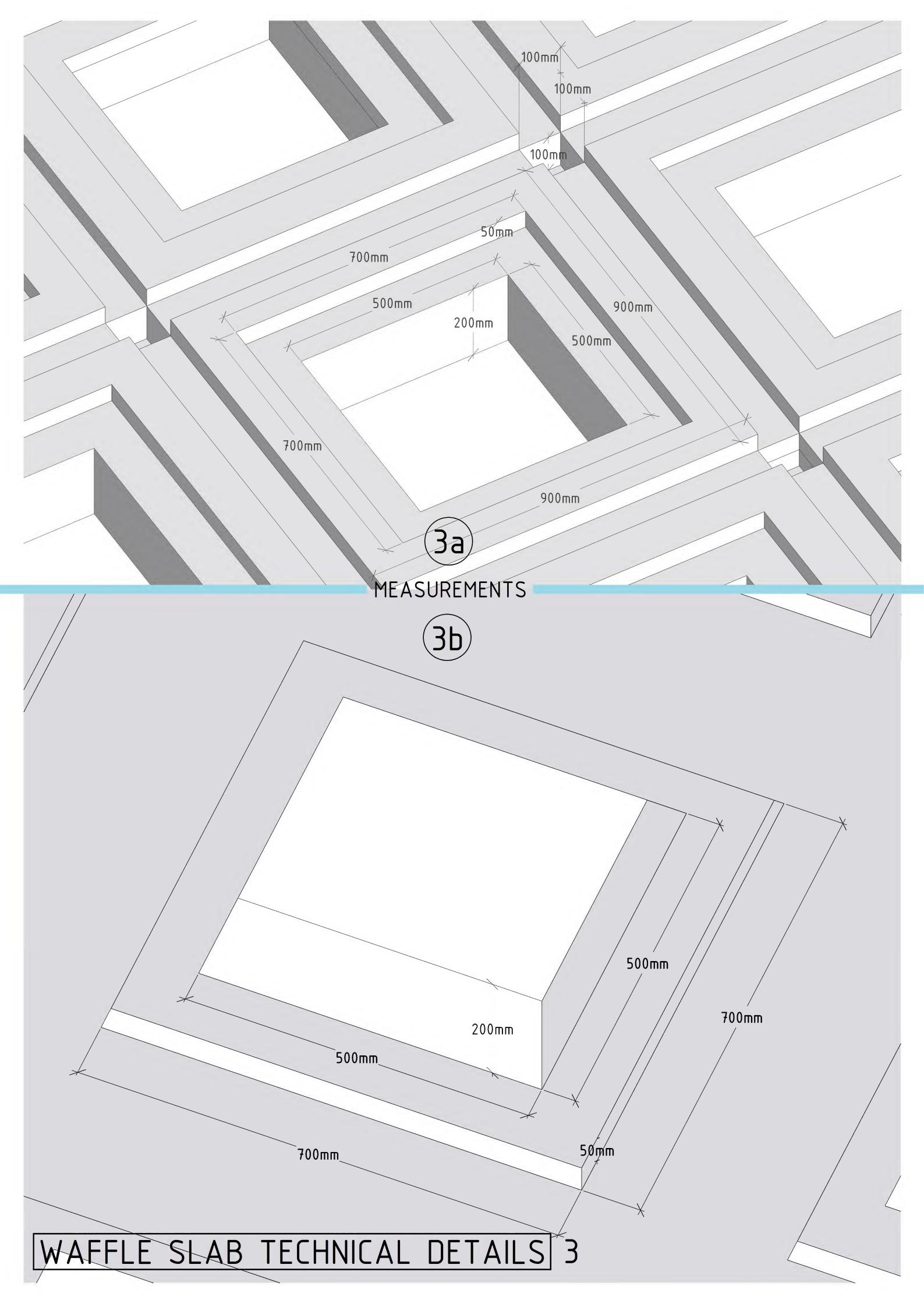


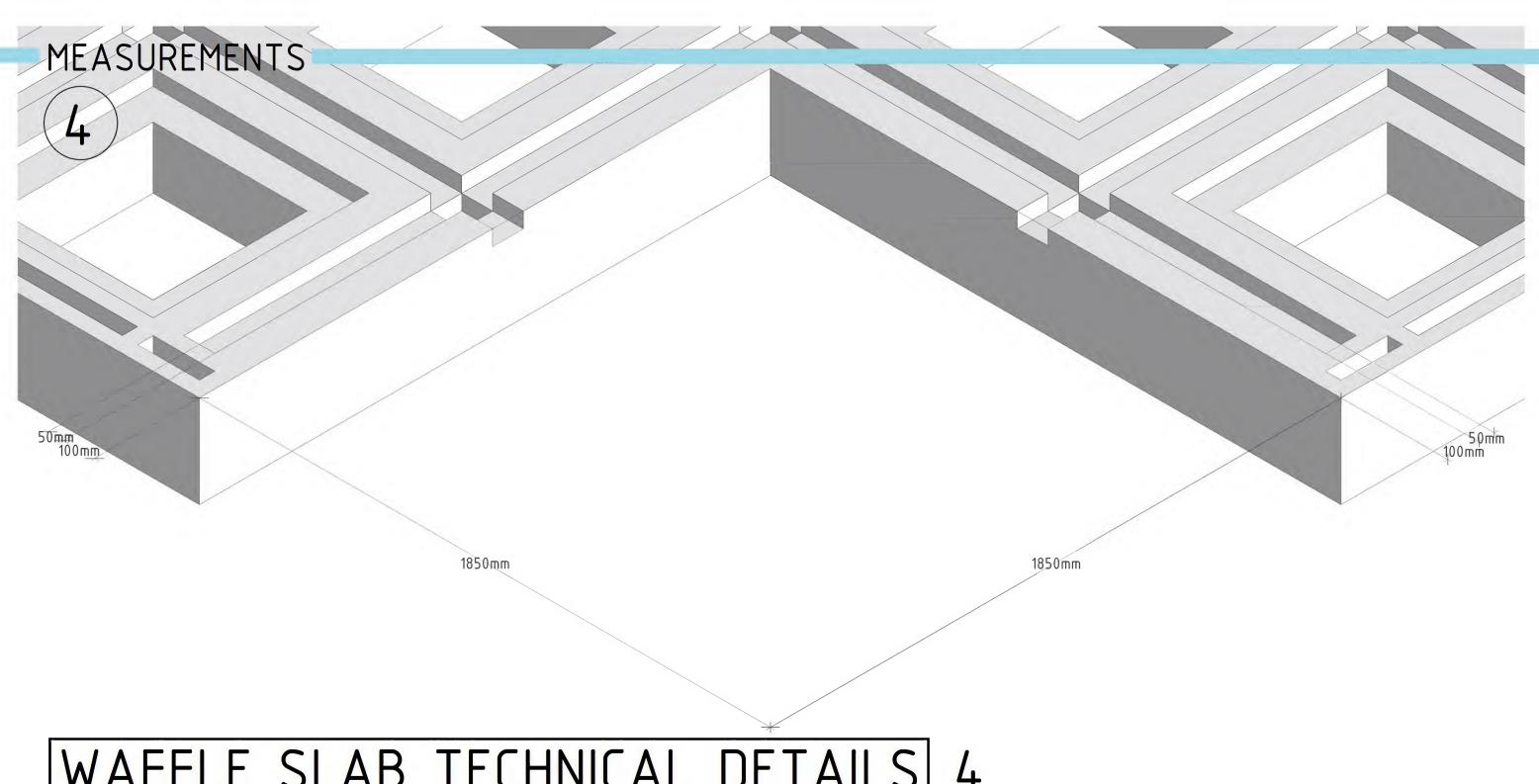
MEASUREMENTS

2



WAFFLE SLAB TECHNICAL DETAILS 2



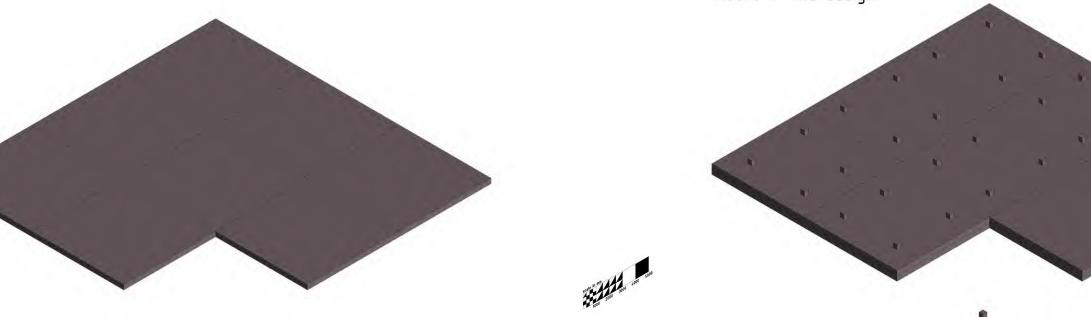


WAFFLE SLAB TECHNICAL DETAILS 4 CONSTRUCTION PROCEDURE 1

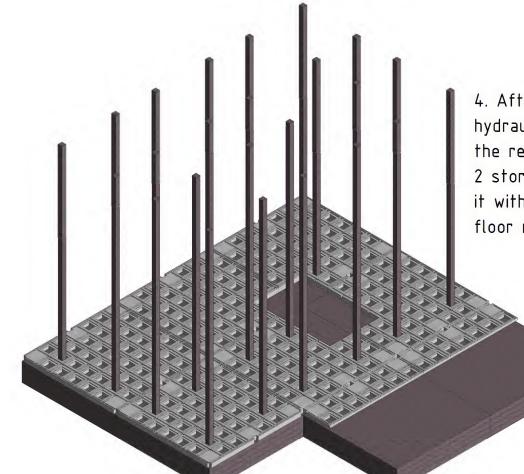
1. Hydraulic jacks are placed first. Slabs are cast in-situ.



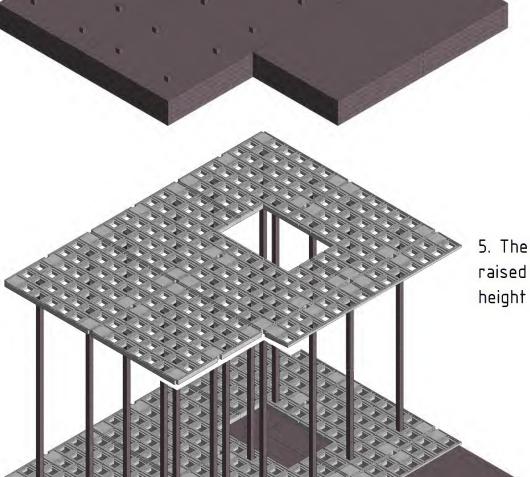
2. Hydraulic jacks are raised while more slabs are cast, depending on the number of floors in the design.



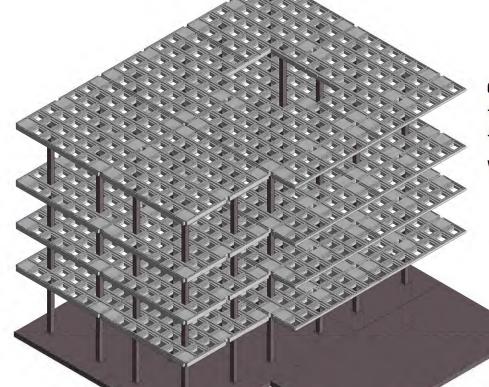
3. Continue raising hydraulic jacks and concrete until the desired number of floors are reached. Then, wait for the concrete to be cured.



4. After concrete is cured, the hydraulic jacks are raised up to the required number of floors + 2 stories more. This figure shows it with the formwork of topmost floor removed.

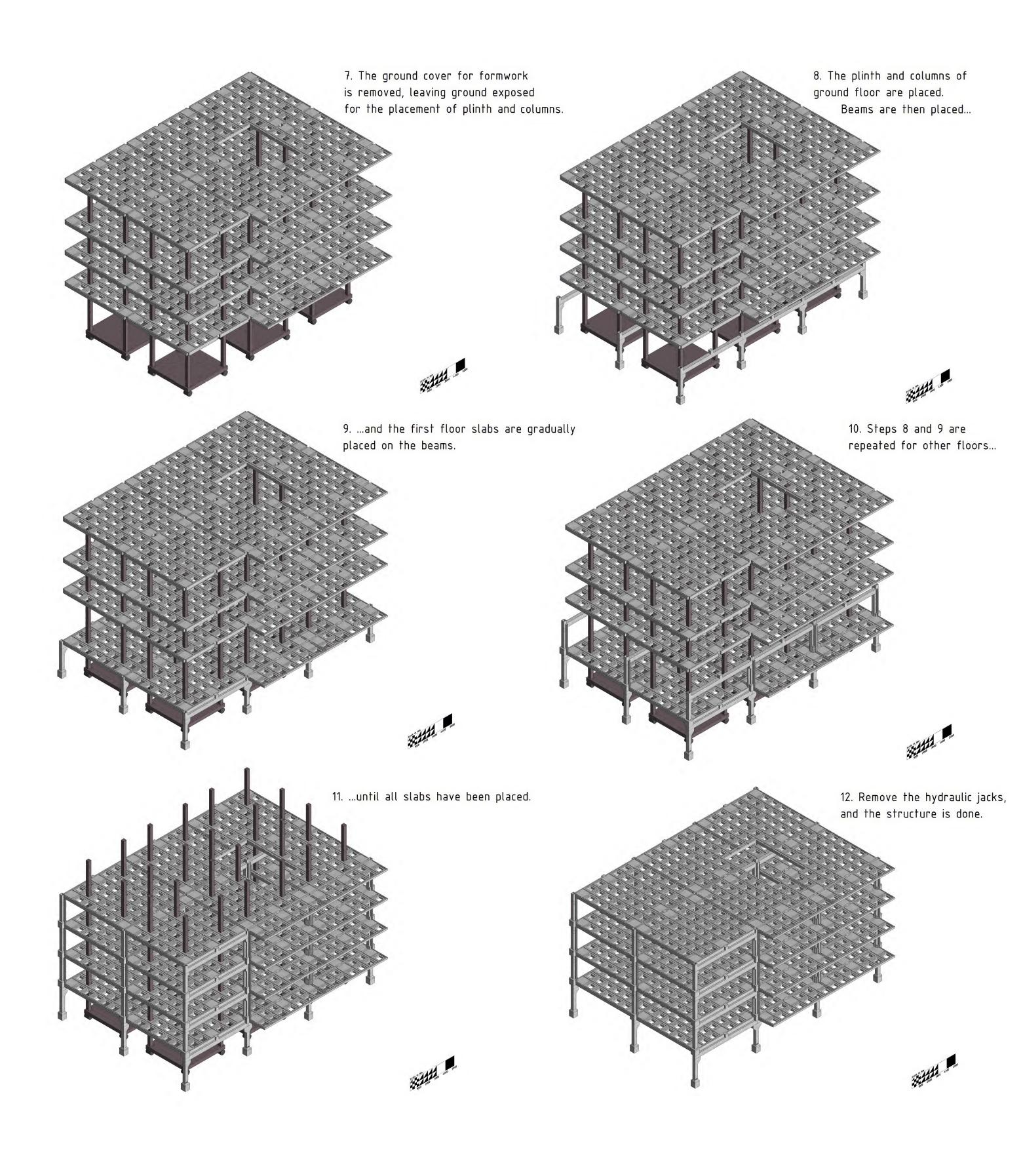


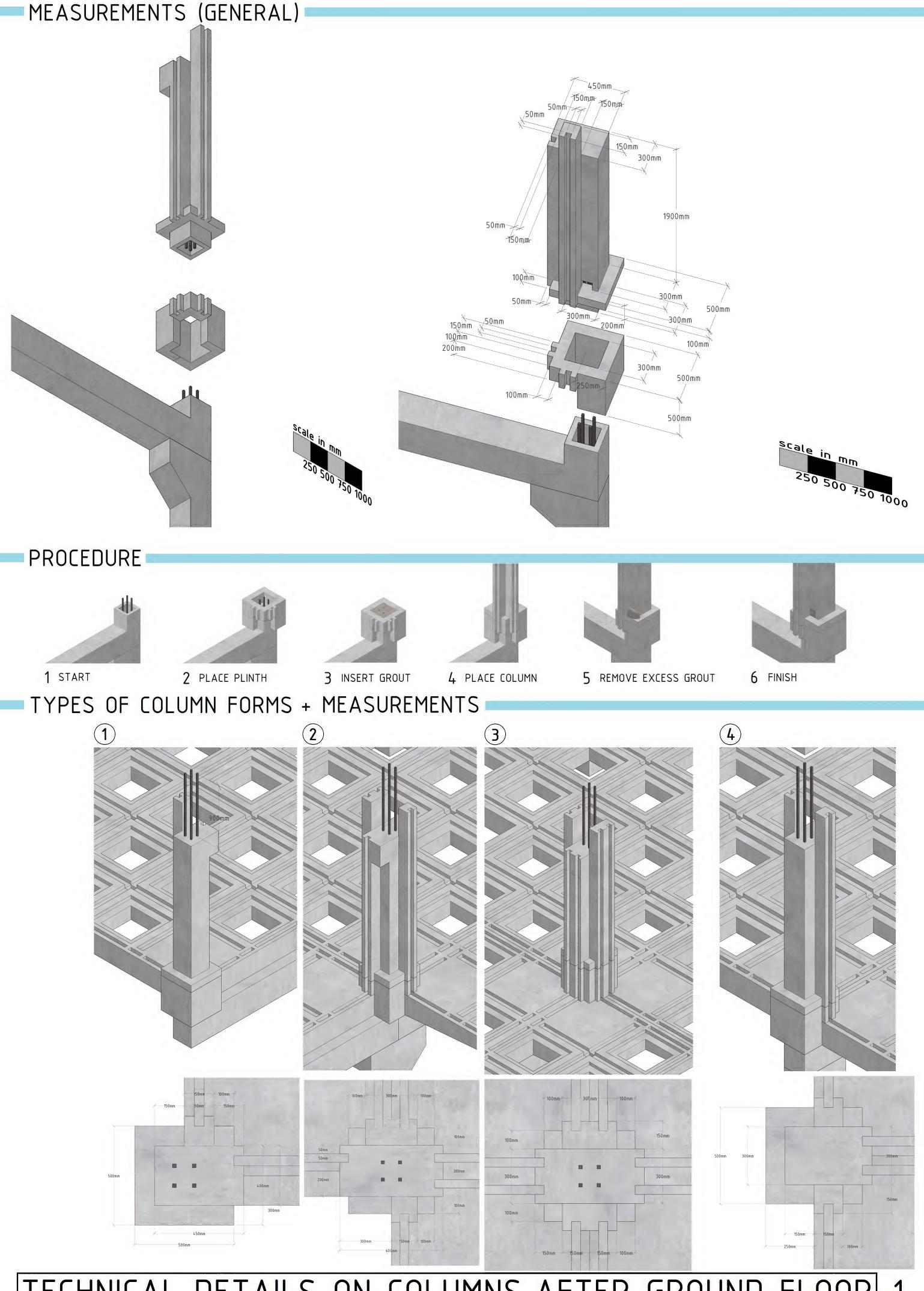
5. The topmost floor is raised to the maximum height that can be raised...



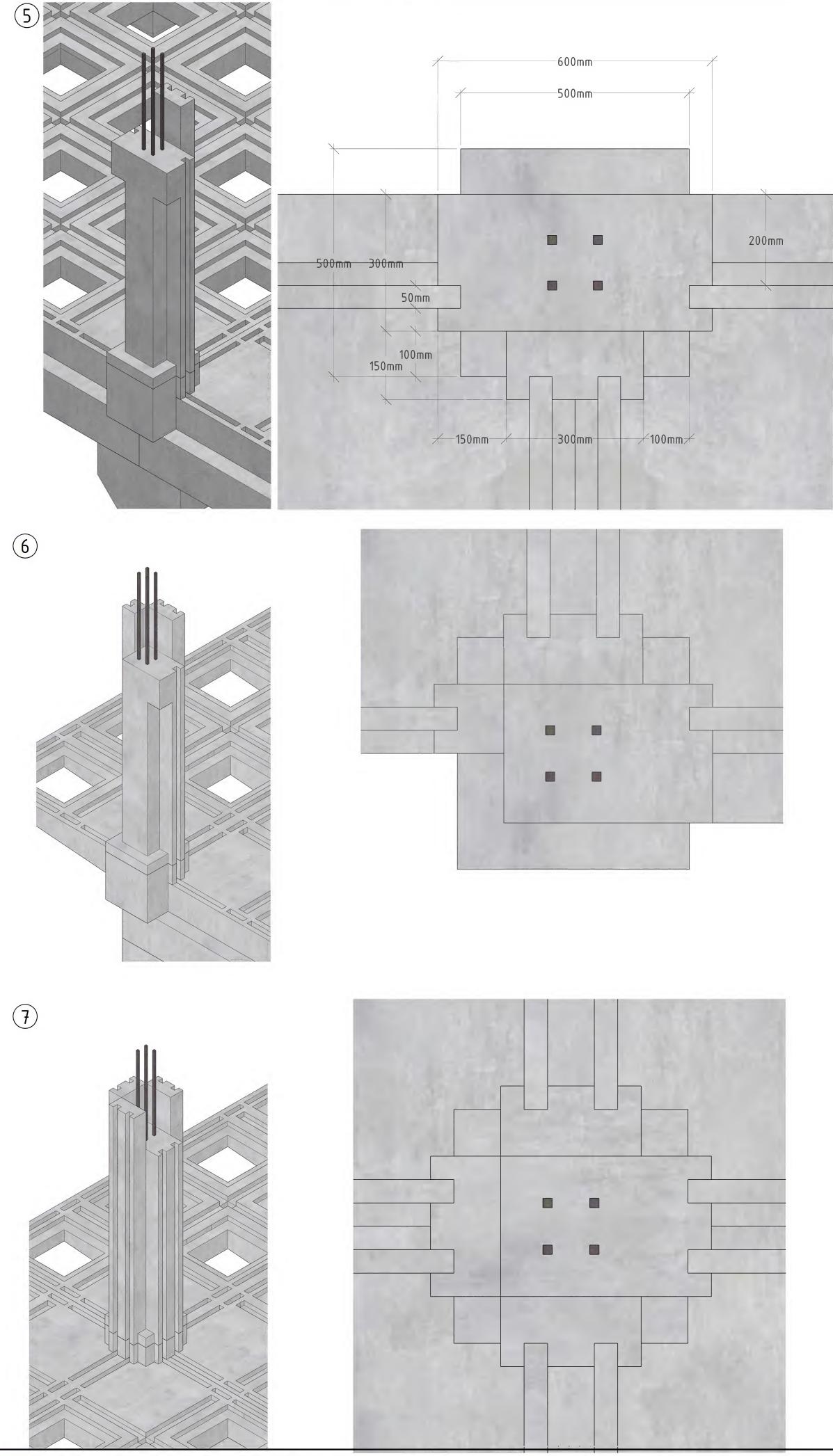
6. ...followed by others to the approximate height that is high enough for workers to stand well.

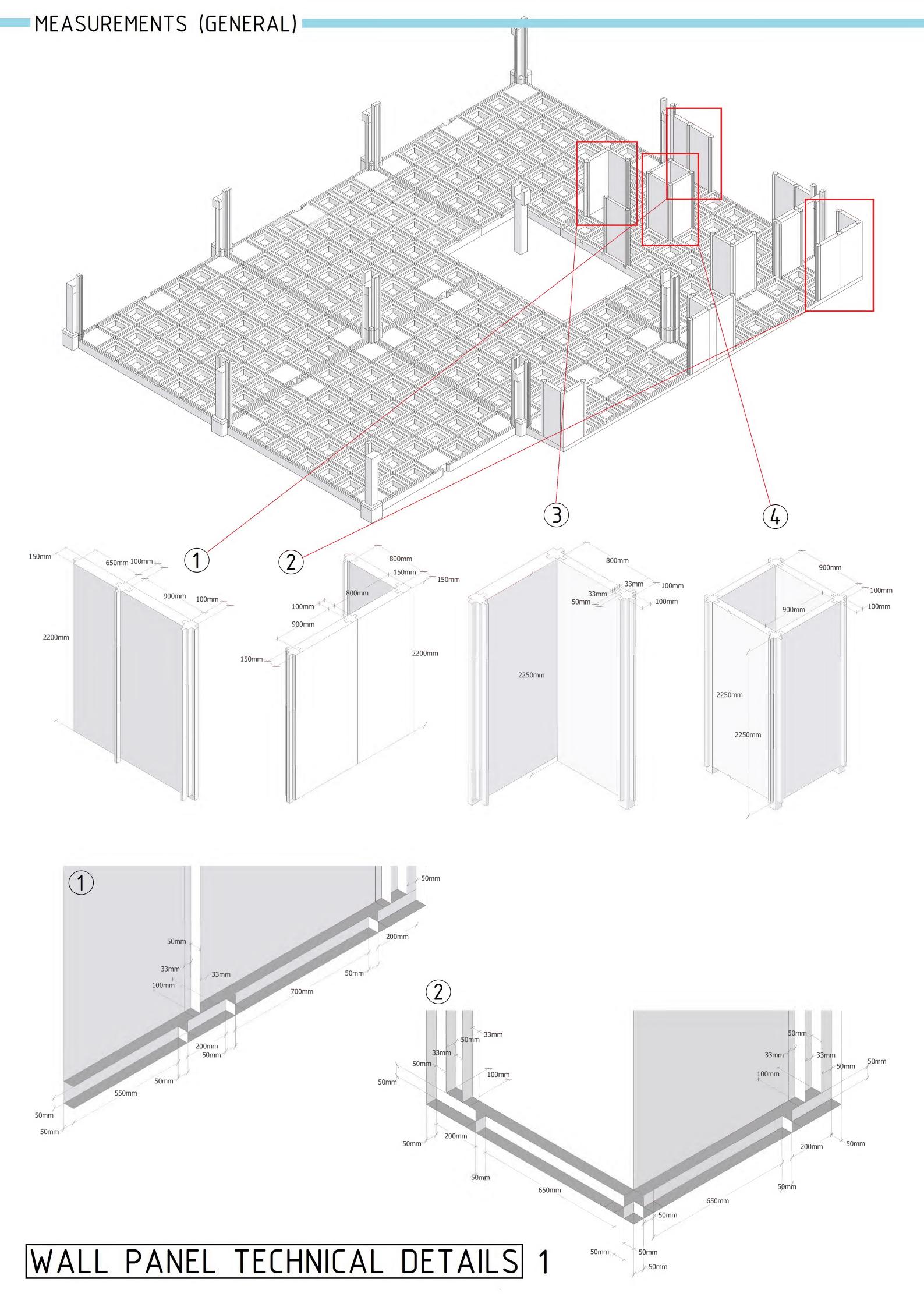
CONSTRUCTION PROCEDURE 2

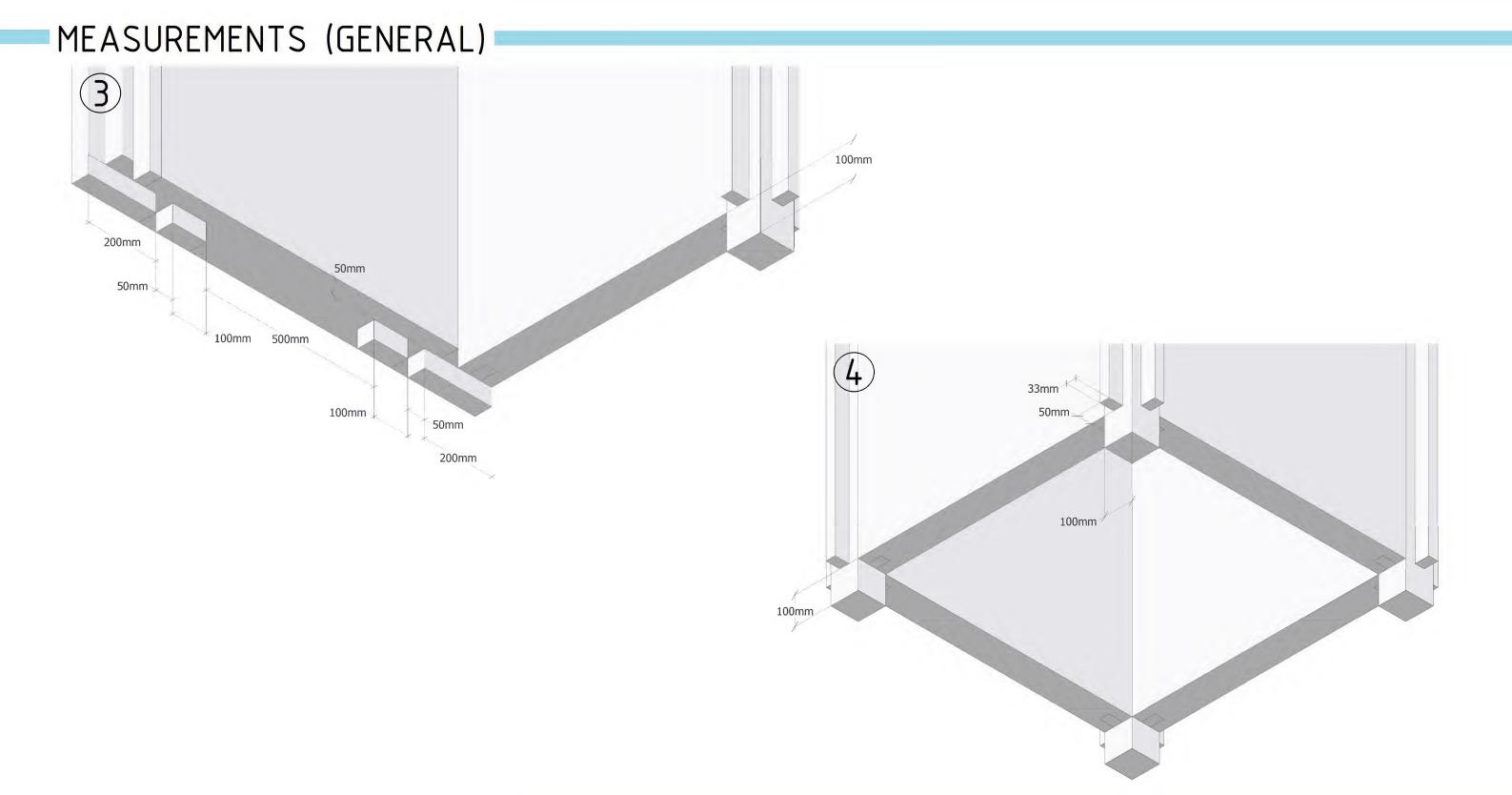




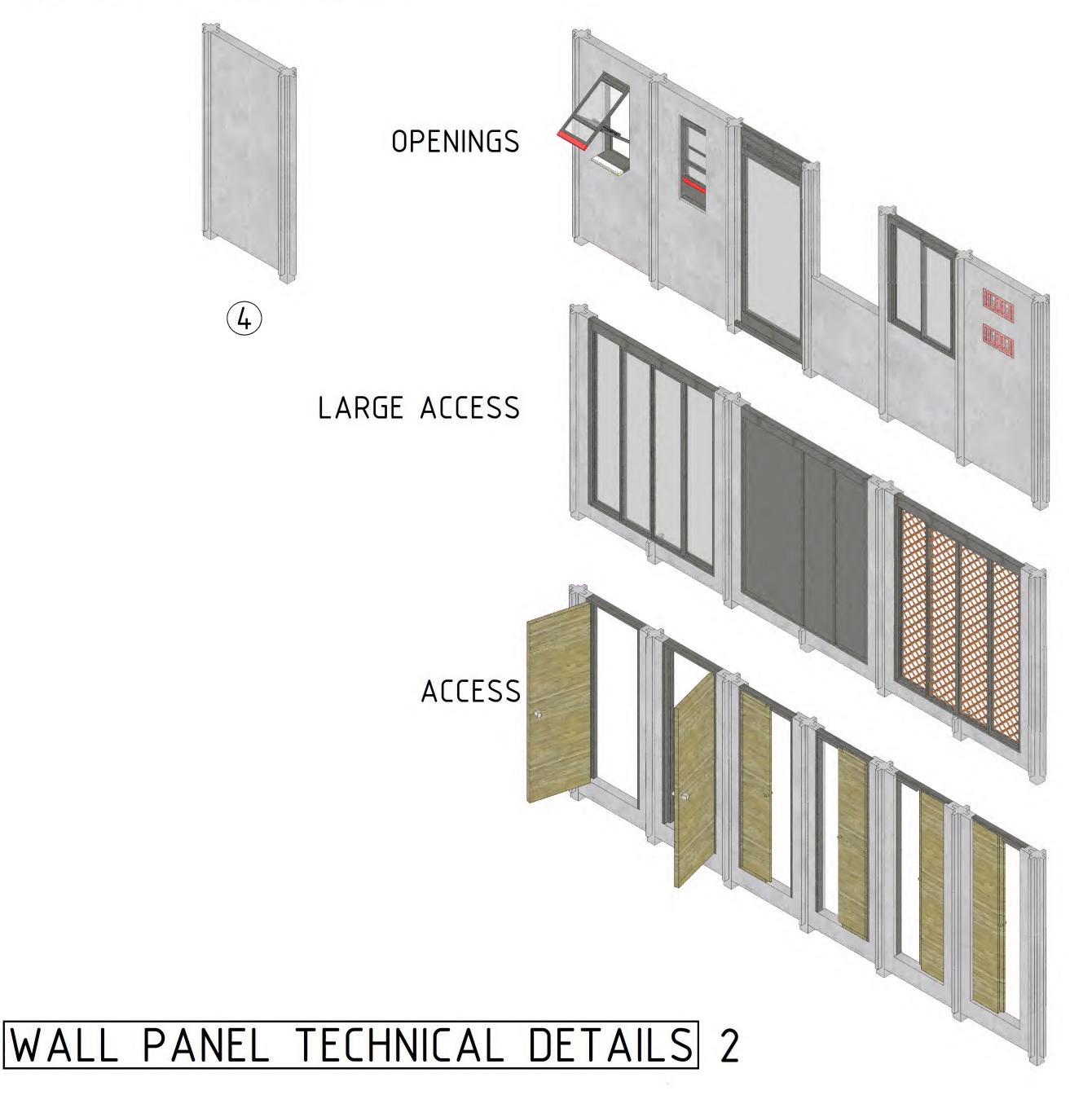
TECHNICAL DETAILS ON COLUMNS AFTER GROUND FLOOR 1



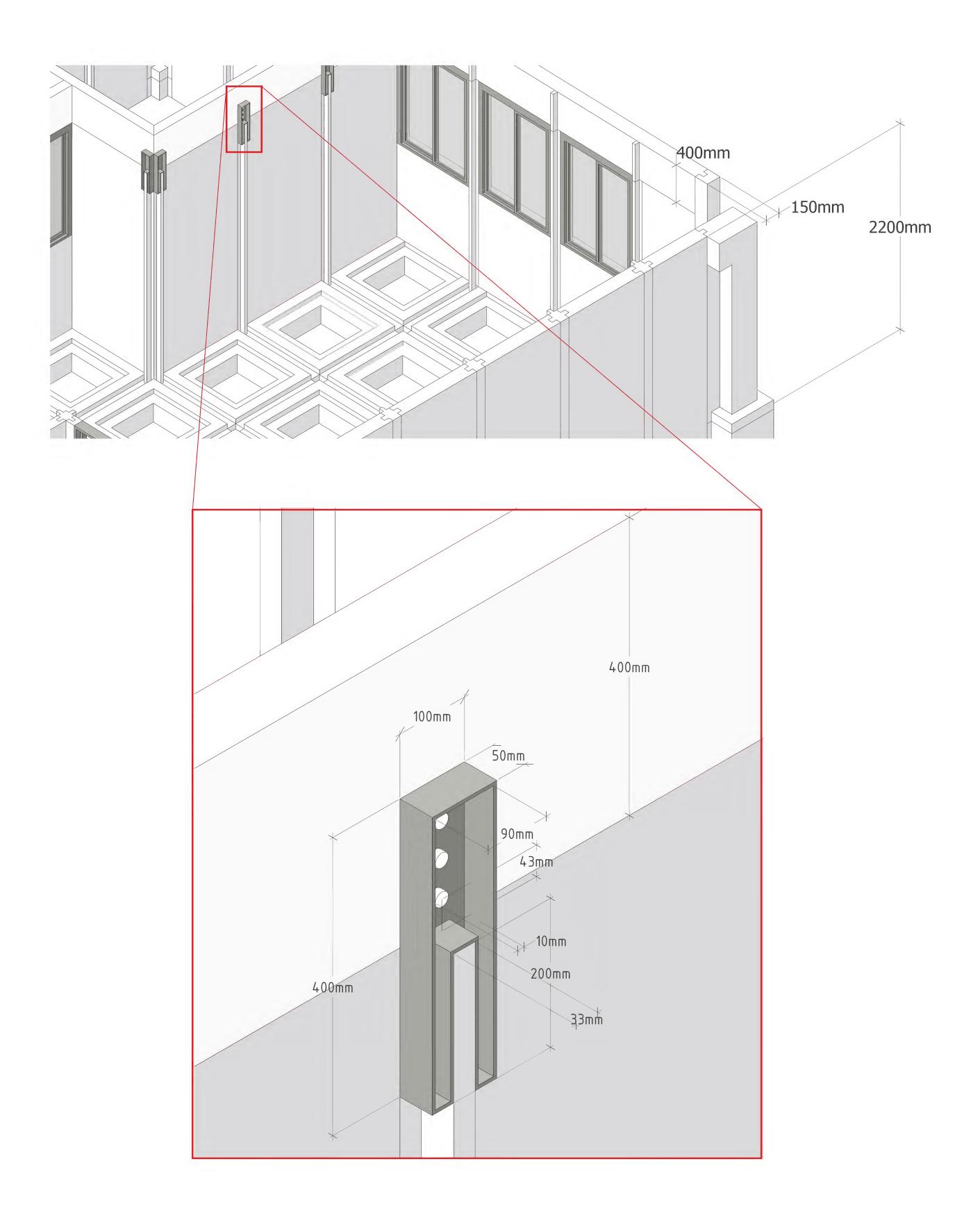




VARIETIES OF WALL PANELS







WALL PANEL TECHNICAL DETAILS 4

THE END